

* SWBAT explain how temperature relates to size and molecule motion

Sep 6-2:31 PM

Welcome!!!

H. Leslie Grebe

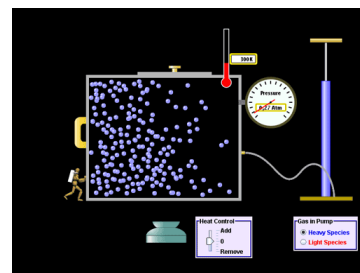
WBL ALC Physics
Friday 19 December 2014

- * Sign in
- * Pick up:
 - worksheet
 - yesterday's worksheet (if you weren't here)
 - slip of paper (for later)

Opening question + Yesterday's Worksheet

Remember our box of molecules? What happens if we leave the ice / cooling on?

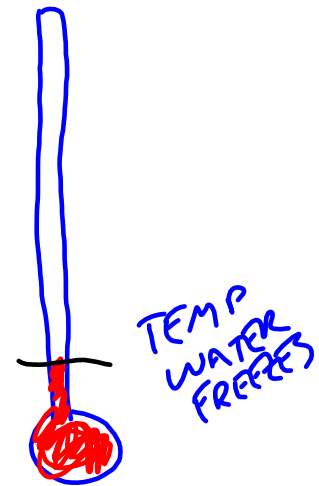
MOLECULES GET SLOWER → CLOSE TO STOPPED
THERMOMETER: \emptyset K
Centering...



Sep 7-7:04 AM

ARBITRARY
How do we get thermometer scales?

32°F
0°C
622°G
215°L



Worksheet

Demo at back of room

KELVIN 0° K \Rightarrow NO HEAT

Dec 21-7:28 AM

Eureka 20: Measuring Temperature

What did we find out?

<http://www.youtube.com/watch?v=nCQVTTKu0Xc>

Demo: 1 hand in cold water

1 hand in hot water

Both into middle bowl, but feel
different temperatures!!!

\rightarrow Hands / Brain are good at
detecting DIFFERENCES,
Good at comparing

Is it 60°? 70°? 80°?

\rightarrow Hands not reliable for
for determining actual
temperature

Dec 14-7:13 AM

CP: No new homework

Daily 3 Questions

- * Every day except test/project days
- * 3 Questions on the topics of the day
- * Main source of daily points
- * I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

Your can't get your points if you don't have your NAME!!!

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

1. Water freezes at
 - A. 0 degrees Celsius
 - B. 32 degrees Fahrenheit
 - C. Both
 - D. Neither
2. In which temperature scale does zero really mean the coldest something could get?
 - A. Kelvin
 - B. Fahrenheit
 - C. Celsius
3. True or false: Your hands are a consistent and reliable way to judge temperature (# of degrees).

Dec 2-7:55 AM